

What Is Claimed Is:

1. A method for warning the driver of a motor vehicle (1) of a traffic situation involving an increased collision risk, signals of at least one object detector (2) representing motion quantities of detected objects (5, 6) being suppliable to an analyzer device (10), signals of at least one motion sensor system (12, 13) of the host vehicle being suppliable to an analyzer device (10), wherein the analyzer device (10) precalculates (23) all possible motion trajectories for all detected objects (5, 6) and for the host vehicle (1), taking into account maximum acceleration or deceleration values and maximum change in acceleration or deceleration values over time and, when an imminent collision is recognized, a warning (18, 25) is issued to the driver that higher acceleration or deceleration values (amax) and/or change in acceleration or deceleration values (amaxpoint) are needed to avoid a collision.
2. The method as recited in Claim 1, wherein the maximum acceleration values or deceleration values (amax) and the maximum change in acceleration or deceleration values over time (amaxpoint) are of such magnitudes that the driver perceives them as just still comfortable.
3. The method as recited in Claim 1 or 2, wherein different maximum values and maximum change values over time are provided for the longitudinal vehicle acceleration, the longitudinal vehicle deceleration, and the transverse vehicle acceleration.
4. The method as recited in one of the preceding claims, wherein the maximum acceleration or deceleration values (amax) and the maximum change in acceleration or

deceleration values over time (amaxpoint) are variable as a function of the instantaneous vehicle velocity (V).

5. The method as recited in one of the preceding claims, wherein the maximum acceleration or deceleration values (amax) and the maximum change in acceleration or deceleration values over time (amaxpoint) are variable as a function of the driving situation recognized by the object detector (2).
6. The method as recited in one of the preceding claims, wherein, in addition to the warning (18) to the driver, an automatic intervention in the vehicle drive systems, the vehicle deceleration systems (20) and/or the vehicle steering systems can be output.
7. A device for warning the driver of a motor vehicle (1) of a traffic situation involving an increased collision risk, comprising an analyzer device (10), comprising at least one object detector (2) which is able to determine motion quantities of detected objects (5, 6) and to supply them to the analyzer device (10), and at least one motion sensor system (12, 13) is provided, which is able to supply signals representing the motion of the host vehicle (1) to the analyzer device (10), wherein the analyzer device (10) precalculates all possible motion trajectories for all detected objects (5, 6) and for the host vehicle (1), taking into account maximum acceleration or deceleration values (amax) and maximum change in acceleration or deceleration values over time (amaxpoint), and the analyzer device is able to activate a driver warning device (18, 19) which advises the driver that higher acceleration or deceleration values and/or change in acceleration or deceleration values are needed to avoid a collision.

8. The device as recited in Claim 7,
wherein the at least one object detector (2) is a radar
sensor, a laser sensor, an ultrasound sensor, a video
sensor, or a combination thereof.
9. The device as recited in Claim 7 or 8,
wherein the motion sensor system (12, 13) is at least a
velocity sensor, an acceleration sensor, and/or a yaw
rate sensor.